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(54) **PRODUCTION OF HYDROGEN PEROXIDE**

(57) Abstract

PURPOSE: To efficiently produce hydrogen peroxide by a direct single-stage reaction operation by allowing hydrogen to react with oxygen in an aq. soln.

oxygen-contg. gas in an acidic aq. soln. at 10-50°C under 5-50kg/cm<sup>2</sup>G pressure in the presence of a catalyst obtd. by carrying fine gold particles having  $\leq 50$ nm particle size on a hydrophobic carrier.

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CONSTITUTION: Hydrogen is allowed to react with